

CCLCS Incoming Grade 6 Summer Math Practice

You are welcome to print this work or complete it on Google Classroom. For a paper copy to be mailed, please email ahaven@cclcs.info . Thank you!!



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5th-grade Review

1. Operations & Algebraic Thinking
2. Number & Operations in Base 10
3. Number & Operations - Fractions
4. Measurement & Data
5. Geometry

Each section has a review page & 5 problems to complete.

That's 25 math problems for the summer (plus Bonus).

Please complete the ENTIRE review packet by the first day of school.

June 2021						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

www.a-printable-calendar.com

JULY 2021						
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

www.calendar4on.com

August 2021						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

www.calendar4on.com

Choose 5 problems a week to work on, preferably one per day. Problems can be completed in any order. Track your progress on the calendar above. For example, if you completed problem 35 on July 5th, write "35" on July 5th.

Fill in this blank Multiplication Chart to help you practice your Math Facts! Flashcards are a great way to practice too! :)

[illegible]

Practice Page 1

1. Evaluate the following expression. Follow PEMDAS.

$$2 + 1 \times 2$$

2. Solve using PEMDAS

$$5 \times (8 + 6 - 2)$$

3. Find the product. Show your work.

$$238 \times 5 =$$

4. Find the product. Show your work.

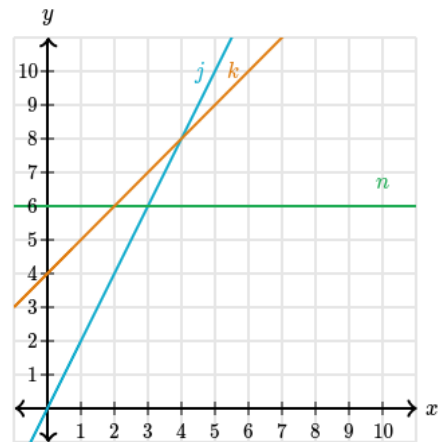
$$832 \times 15 =$$

5. Find the quotient. Show your work.

$$9,475 \div 5 =$$

Bonus:

For any point on line n , the y -coordinate is .



Practice Page 2

<p>6. What value does the 1 represent in the number 4,105.8?</p> <p>a. One b. Ten c. One Hundred d. One thousand</p>	<p>7. Complete the following inequalities with $>$, $<$, or $=$.</p> <p>6____6.000</p> <p>0.101____0.011</p> <p>120.12____12.121</p>
<p>8. Add.</p> <p>$12.42 + 0.5 =$</p>	<p>9. Subtract.</p> <p>$25.75 - 3.21 =$</p>
<p>10. Multiply.</p> <p>341×2.7</p>	<p>Bonus: Divide.</p> <p>$0.81 \div 3 =$</p>

Parallel lines
have so much in
common...

it's a shame that
they'll never
meet.



MATH

The only place
where
people
buy 64
watermelons
and
no one
wonders why...



Practice Page 3

11. Reduce the following fractions:

*use common factors

$$\frac{4}{8} =$$

$$\frac{9}{12} =$$

$$\frac{3}{6} =$$

$$\frac{50}{100} =$$

12. Circle the fractions that are

equivalent to $\frac{1}{4}$: *use common multiples

$$\frac{2}{8}$$

$$\frac{3}{6}$$

$$\frac{12}{18}$$

$$\frac{3}{12}$$

$$\frac{4}{16}$$

$$\frac{10}{40}$$

13. Add. *Must have Common Denominators! CD's

$$\frac{1}{3} + \frac{2}{4} =$$

14. Subtract.

*Must have Common Denominators! CD's

$$\frac{5}{6} - \frac{1}{3} =$$

15. Multiply. *No CD needed!

Tops x Tops & Bottoms x Bottoms

$$\frac{4}{9} \times \frac{2}{4} =$$

Bonus: Divide. *Keep, Change, Flip

$$\frac{3}{7} \div \frac{1}{2} =$$

There's a fine line between
a numerator and a
denominator.

Only a fraction of people will find this funny.

Practice Page 4

16. Convert cups to pints.

*2 cups = 1 pint

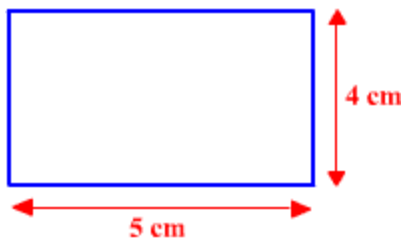
18 cups = _____pints

17. Convert inches to feet.

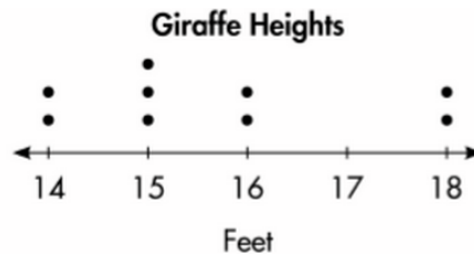
*12 inches = 1 foot

48 inches = _____feet

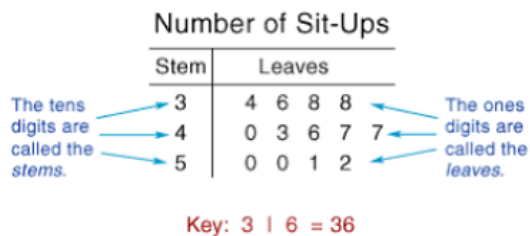
18. Calculate the perimeter of this rectangle.



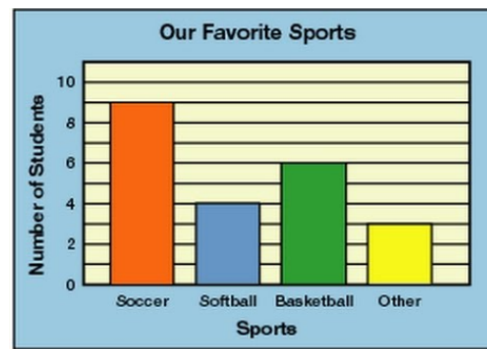
19. How many giraffes are 17 feet tall?



20. How many people did 38 sit-ups?



Bonus: How many students chose either "Softball" or "Other" as their favorite sport?



Why didn't the two 4's feel like dinner?
Because they already 8.

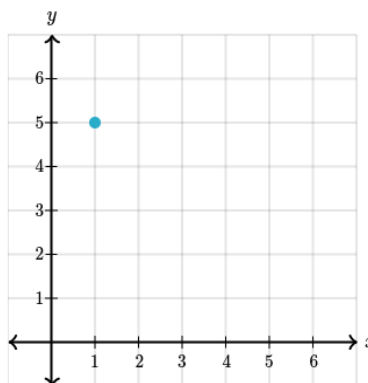


Practice Page 5

21. How many triangles were used to make this cat? ____ How many quadrilaterals were used? ____



22. What is the x-coordinate of the point plotted below?



23. What is the volume of the rectangular prism?

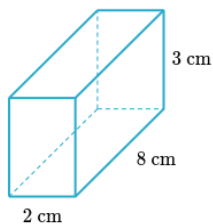
Unit cube:



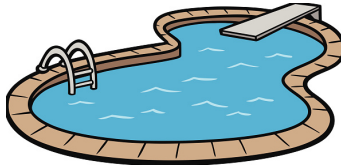
unit cubes

24. What is the volume of the rectangular prism?

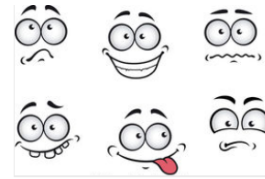
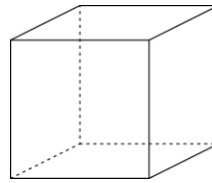
cm^3



25. Is the amount of water a pool holds known as its volume or surface area?



Bonus: How many faces does a cube have?



Great work! :)

Reference Page

Order of Operations

P parentheses

E exponents

MD multiplication & division from left to right

AS addition & subtraction from left to right

Please Excuse My Dear Aunt Sally

$$32 \div (2 \times 2) + 3 =$$

$$32 \div 4 + 3 =$$

$$8 + 3 =$$

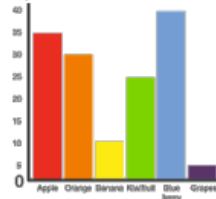
$$= 12$$

Types of Graphs

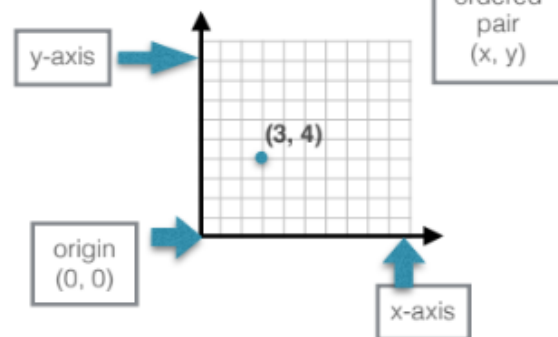
Bar Graph

When to Use It:

- to compare different things
- to show change over time



Coordinate Plane



Prime & Composite Numbers

prime number: a number with exactly two factors

Examples: 2, 3, 5, 7, 11, 13, 17, 19, 23, 29, etc.

composite number: a number with three or more factors

Examples: 4, 6, 8, 9, 12, 14, 15, 16, etc.

Neither Prime NOR Composite: 0 and 1